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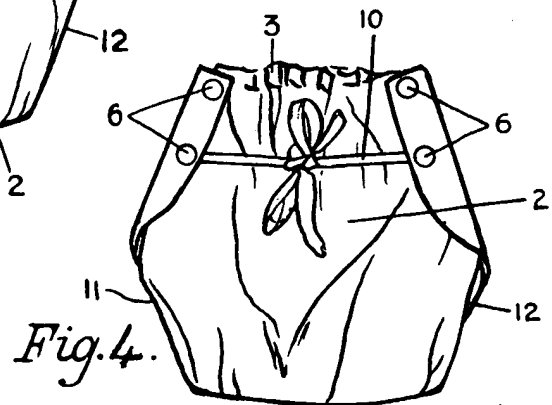
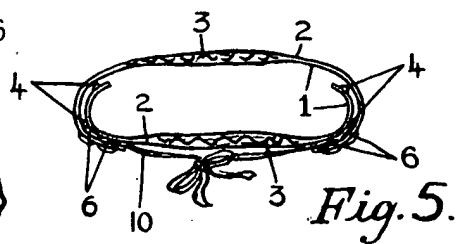
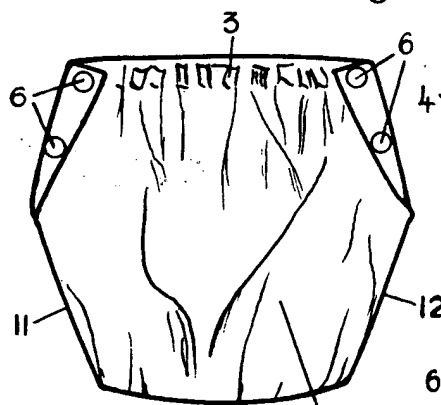
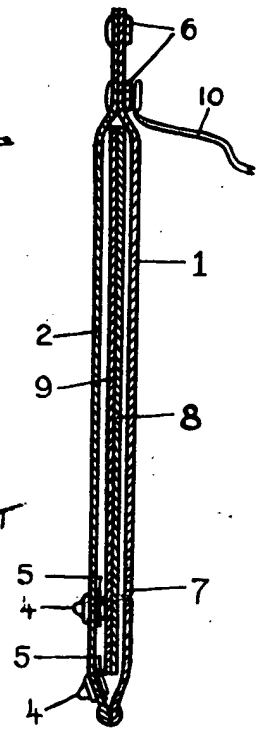
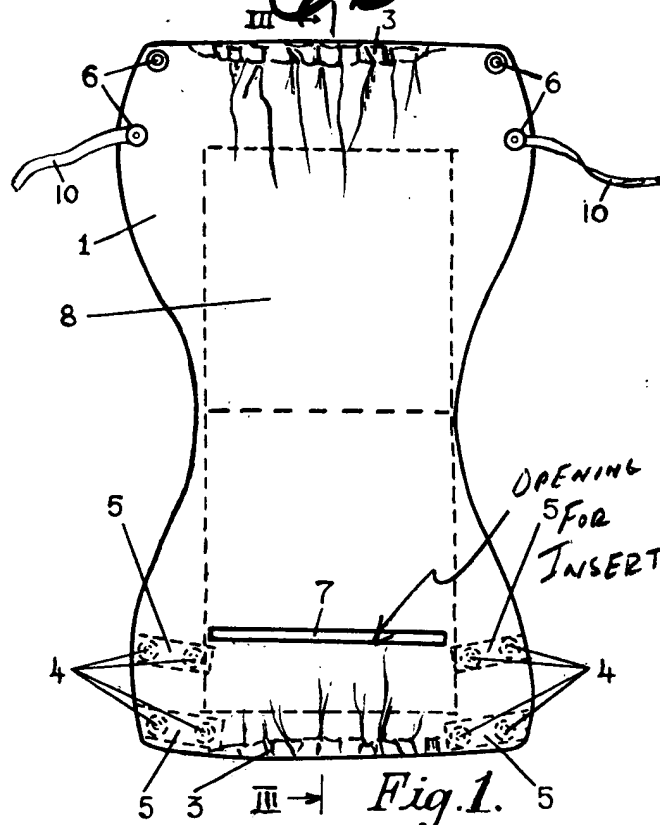
COMPLETE SPECIFICATION

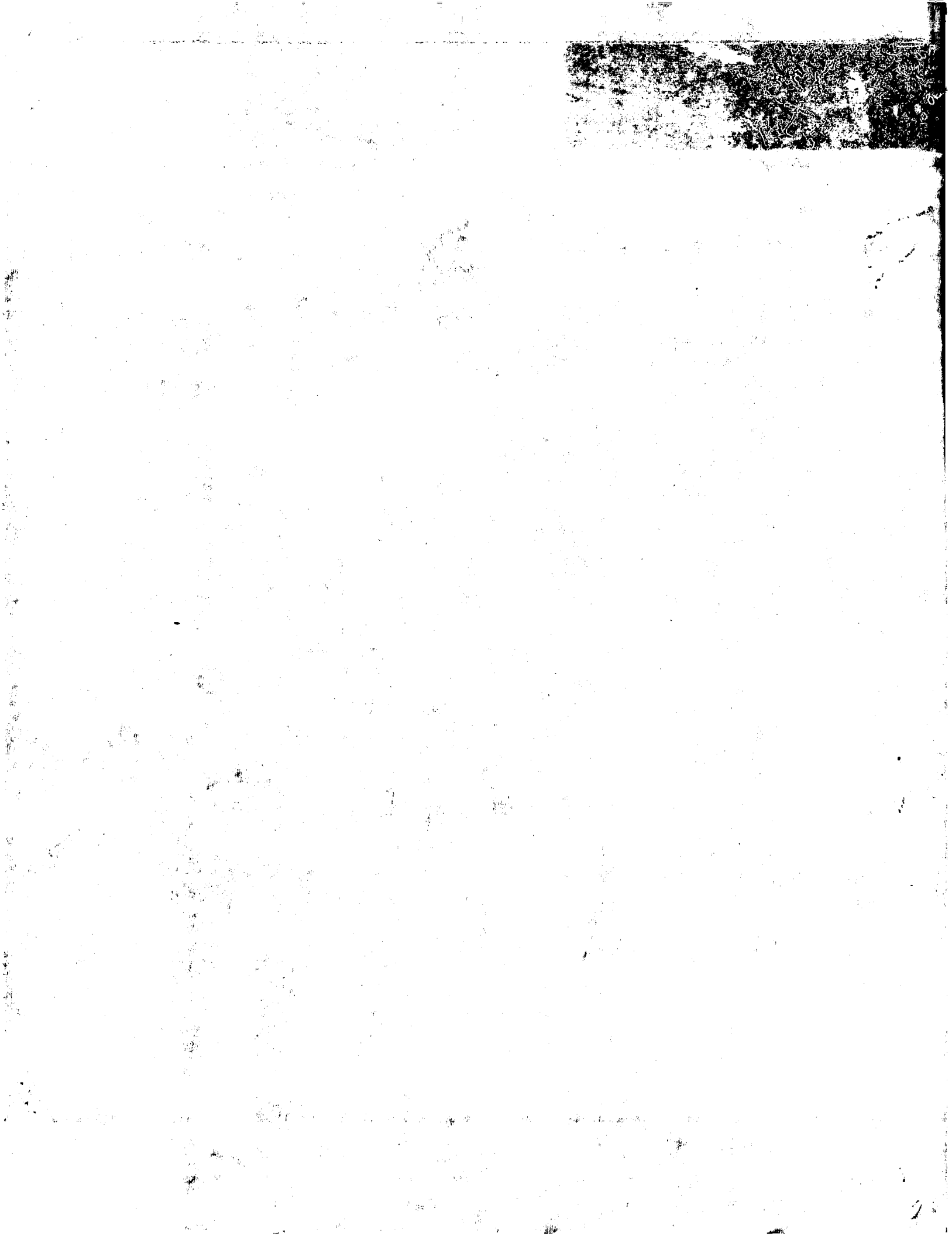
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*Murphy*

GB-08-1955





# PATENT SPECIFICATION



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## COMPLETE SPECIFICATION

### Improvements in or relating to Napkins for Children

Cl. 128

I, MARY AGNES MURPHY, a Citizen of the Irish Republic, of Slaney, Old Connaught Avenue, Bray, Co. Wicklow, Irish Republic, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to diaper napkins for children, the napkins being of the type having a waisted shape and intended to be folded about the approximate horizontal centre line thereof when being applied to the child and to be secured in position on the child by the interengagement of detachable fastening means incorporated at one or both ends of the napkin.

It is the object of the present invention to provide a diaper napkin of the type stated but embodying a superior attachment of the detachable fastening means to the napkin which will ensure that when applied to the child the detachable fastening means cannot come into direct contact with the body of the child.

With this object in view the invention comprises a diaper napkin of the type stated consisting of a double thickness of suitable material, an opening being formed in one side of the napkin giving access to a pocket enclosure formed between the two thicknesses of material adapted to hold an additional pad of waterproof and/or absorbent material, the detachable fastening means for securing the napkin on the child comprising a plurality of spaced apart press studs projecting from the exterior surface of the napkin near the bottom corners thereof and secured to reinforcing tapes stitched in suitable positions inside the pocket, the upper end of the napkin being equipped near the corners thereof with a plurality of similar spaced apart press stud sockets located on the interior side of the napkin, the arrangement being such that in the position of use the upper corner portions

of the napkin are lapped over the folded up bottom corner portions and the press stud sockets engaged with the press studs.

The invention will be more clearly understood from the following description of alternative forms of the invention illustrated by way of example only in the accompanying drawings in which:—

Fig. 1 is a plan view of the interior surface of the construction of napkin of double thickness of material.

Fig. 2 is a plan view showing the napkin of Fig. 1 folded up about its approximate horizontal centre line and secured in its position of use by the interengaging fastening means, the tapes being omitted.

Fig. 3 is a sectional view taken on the line III—III of Fig. 1.

Fig. 4 is a plan view showing the napkin of Fig. 1 folded up about its approximate horizontal centre line and secured in its position of use by means of the tapes only.

Fig. 5 is a view from the top of Fig. 4 showing the napkin opened out in its position of use as secured by means of the tapes only.

Referring to the drawings the napkin consists of two thicknesses 1 and 2 of any suitable absorbent material joined along their edges to form a waisted-shaped diaper, one or both ends of which incorporate a strip of elastic 3 or elastic insert and is equipped near the bottom corners with a plurality of spaced apart metal press studs 4 projecting from the exterior surface 2 of the napkin and secured to reinforcing tapes 5 stitched in the positions shown inside the pocket formed between the two thicknesses 1 and 2 of material. The securing of the metal press studs 4 in this manner ensures that the metallic base of the press studs will not come into direct contact at any time with the body of the child. The upper end of the napkin is equipped near the corners thereof with a plurality of press stud sockets 6 which are located on the interior side 1 of the napkin, and are

spaced apart similarly to the press studs 4.

The interior side 1 of the napkin is provided with an opening 7 near the bottom end thereof giving access to the pocket enclosure formed between the two thicknesses of material 1 and 2, permitting the insertion into this socket of one or more additional pads 8 of absorbent material with or without an exterior pad or protective layer 9 of waterproof material such as plastic or rubber sheet.

A pair of securing tapes 10 having a press stud secured at one end of each tape may be detachably engaged with one of the sockets 6 as shown in Fig. 1, thereby providing additional detachable fastening means for use instead of the pressing button fastening means when the napkin is used upon an infant whose small size might preclude sufficiently close fastening of the napkin by means of the press studs. If fastening by the tapes 10 is not required, they may be readily removed from the napkin by uncoupling at the press stud sockets 6.

In use, the napkin with or without the inserted pads 8 and 9 previously placed in the pocket through the opening 7, is placed between the legs of the child and the napkin is folded upwards on each side about its approximate centre line, the upper end having the sockets 6 on the interior side thereof being lapped over the other end of the napkin having the press studs 4 projecting from the exterior side thereof, and the sockets 6 engaged with whichever set of press studs 4 will give a comfortable securing of the napkin about the child's waistline. The folded up and secured napkin will appear as shown in Fig 2 and it will be understood that the legs of the child pass through the openings 11, 12, formed between the folded portions of the napkin extending from below the interengaged press studs and sockets to the bottom of the folded napkin. The size of the openings 11, 12, are adjustable according to which set of press studs 4 are employed for the detachable fastening.

The provision of the elastic inserts 3 ensures that the napkin will be held and supported at the approximate waistline.

When using the napkin upon a small infant, securing of the napkin may be effected by means of the securing tapes 10 detachably secured to the napkin sockets 6, instead of securing in position by the interengagement of the press studs and sockets, the spacing of which may be set to suit a more grown child. As will be apparent from Figs. 4 and 5, the lapping of the folded-up portions of the napkin

about the infant is the same as in the case of a more grown child except that the extent of overlap is greater, and securing is effected by knotting the free ends of the tapes 10.

It will be noted from Fig. 5, that none of the metal portions of the press-studs 4 or sockets 6 come into direct contact with the body of the child.

The pocketed napkin according to the invention affords a ready and convenient means for providing a multi-thickness napkin, with the added advantage that the component parts of the napkin can be readily aired and dried after washing. Each additional pad may be separately aired and dried with both surfaces exposed, and the double thickness napkin itself will also expose both surfaces of the interior 1 and exterior 2 to airing and drying since the pocket 7 will admit air to the interior of the pocket for rapid drying. In use the napkin may be applied to and removed from the child with extreme simplicity, the use of pins being entirely avoided. The same size of napkin can be employed irrespective of the age of the infant or child.

What I claim is:—

1. Diaper napkin of the type stated consisting of a double thickness of suitable material an opening being formed in one side of the napkin giving access to a pocket enclosure formed between the two thicknesses of material adapted to hold an additional pad of waterproof and/or absorbent material, the detachable fastening means for securing the napkin on the child comprising a plurality of spaced apart press studs projecting from the exterior surface of the napkin near the bottom corners thereof and secured to reinforcing tapes stitched in suitable positions inside the pocket, the upper end of the napkin being equipped near the corners thereof with a plurality of similarly spaced apart press stud sockets located on the interior side of the napkin, the arrangement being such that in the position of use the upper corner portions of the napkin are lapped over the folded up bottom corner portions and the press stud sockets engaged with the press studs.

2. A diaper napkin as claimed in Claim 1, in which the number of press studs provided near the bottom corners of the napkin exceed the number of press stud sockets provided near the top corners of the napkin enabling a selective adjustment to be made in the fitting of the napkin.

3. A diaper napkin as claimed in Claim 1 or 2, in which one or both ends of the napkin are made laterally resilient by

the incorporation therein of elastic or elastic inserts.

4. A diaper napkin as claimed in Claim 1, 2 or 3, in which a pair of tapes each having a press stud secured at one end thereof is detachably engaged with one of the press stud sockets at each top corner of the napkin, enabling the napkin to be alternatively secured in position by lapping the top corner portions over the bottom corner portions in the position of

use and fastening in position by tying the free ends of the pair of tapes.

5. A diaper napkin substantially as described with reference to Figs. 1 to 5 15 of the accompanying drawings.

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